

Amendments to the Specification

Please amend the paragraph beginning on page 4, line 12 as follows:

The flow control device of the present invention thus constructed includes the electricity generating device using the flow of the fluid as the power. Besides, at least a part of the electricity generated by the electricity generating device is supplied to the control device, and is utilized, for example, as a power source required for analyzing the output from the detection portion in the control device and for opening and closing the control valve. Note that, the installation position of the electricity generating device can be appropriately changed in accordance with various specifications, installation spaces, or the like, for example, to the path leading from the inflow opening to the outflow opening, an upstream of the inflow opening, a downstream of the outflow opening, or the like. Further, the supply of at ~~lest~~least a part of the electricity to the control device is not limited to be a direct supply, and for example, it may be an indirect supply such as a supply through the detection portion.

Please amend the paragraph beginning on page 5, line 21 as follows:

With this construction, the water leakage in the path leading to the outflow opening is monitored by the water leakage monitoring circuit provided in the control device. As a result, for the maintenance after the construction, by grasping information obtained by the water leakage monitoring circuit by means of, for example, lighting of an indicator integrated in the control device or a tester, it is possible to easily grasp, for example, presence/absence of the water leakage following ~~to~~the deterioration with time of the control valve or the like.

Please amend the paragraph beginning on page 9, line 21 as follows:

Further, the path leading ~~form~~from the inflow opening to the outflow opening may be composed of a conductive valve housing. The control device may include a theft-prevention circuit, which includes the conductive valve housing as a part of the circuit, for issuing an alert in response to the cut off of the circuit.

Please amend the paragraph beginning on page 14, line 22 as follows:

Further, the output portion may include a signal portion for informing that there are ~~over~~overages and ~~short~~shortages in the flow rate of the discharged fluid when ~~there are over and short~~they occur.

Please amend the paragraph beginning on page 17, line 18 as follows:

In this embodiment, the description is made by taking, as an example, a flush valve unit (flow control device) ~~300~~ to which a flush valve device is applied as a water stop valve for a stool.

Please amend the paragraph beginning on page 20, line 14 as follows:

In Fig. 1, the outlet side block 12 of the first valve housing 10, there are provided a low pressure chamber 26 which is continuous with the external housing 200 and which extends to the outlet 16 (not shown), and a main valve chamber 27 continuous with the low pressure chamber 26 and is formed so as to surround the low pressure chamber 26. A valve seat 28 is formed between the low pressure chamber 26 and the main valve chamber 27. Note that, the main valve chamber 27 is continuous with the accommodating chamber 18 (not shown).

Please amend the paragraph beginning on page 22, line 2 as follows:

A gasket 72, which is seated so as to be spaced apart from the valve seat 28 of the first valve housing 10, is attached to the main control valve 70. The main control valve 70 is seated on the valve seat 28 to cut off communication between the low pressure chamber 26 and the main valve chamber 27. By being spaced apart from the valve seat 28, the main control valve 70 makes communication between the low pressure chamber 26 and the main valve chamber 27. The main control valve 70 is biased toward the valve seat 28 (downward in Fig. 1) by a coil spring 73 provided between the second valve housing 40 and the main control valve 70. The main control valve 70 is usually seated on the valve seat 28. The main control valve 70 has a

communicating path 74 for communicating the main valve chamber 27 and the pressure chamber 46.

Please amend the paragraph beginning on page 23, line 10 as follows:

Further, the second valve housing 40 is provided with a first path 51 communicating between the through-hole 49 and the slide hole 50 and a second path 52 opening to the slide hole 50 at one end and opening to the outer peripheral surface of the small diameter portion 42 (not shown) at the other end formed therein.

Please amend the paragraph beginning on page 25, line 24 as follows:

Subsequently, when the washing water should be discharged, the solenoid coil 62 in a conductive state, so the pilot valve 60 opens to communicate the path 53a in the movable body 53 and thus to communicate the second bypass passage 64. As a result, the pressure chamber 46 and the low pressure chamber 26 communicates with each other through the second bypass passage 64, the third bypass passage 3, and the first bypass passage 31 to causes the washing water in the pressure chamber 49646 to flow to the low pressure chamber 26, and then, the pressure in the pressure chamber 46 is lowered. The force based on the pressure difference between the pressure chamber 46 and the main valve chamber 27 exceeds the bias force of the coil spring 73 and the force based on the pressure difference between the low pressure chamber 26 and the main valve chamber 27. Therefore, the main control valve 70 is pushed upwards to be spaced apart from the valve seat 28 to communicate the low pressure chamber 26 and the main valve chamber 27. As a result, the washing water in the main valve chamber 27 passes through the low pressure chamber 26, the outlet 16, and the outflow tube 17 to be-flow into the stool.

Please amend the paragraph beginning on page 35, line 7 as follows:

Further, the flush valve device 1 includes the battery 104 for charging at least a part of the electricity obtained in the electricity generating unit 205, so a part of the

generated electricity is stored in the battery 104. Therefore, even in the non-discharge period in which the electricity generation is stopped, by using the electricity stored in the battery 104, it is possible, for example, to ensure a power source for the theft-prevention circuit even in the non-discharge period. Further, ~~leading-in of an external~~ power source is substantially unnecessary, so in installing the flush valve device 1, a power distribution work becomes simple. As a result, it is possible to increase a construction property.